

Recovery Plan Action Status

Plan Name: Recovery Plan for the Tidewater Goby (*Eucyclogobius newberryi*)

Plan Status: Final

Plan Date: 07-Dec-05

Lead Agency: USFWS

Lead Office: Ventura Fish And Wildlife Office

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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Tidewater goby (<i>Eucyclogobius newberryi</i>)	2	1.1.1	Standardize and implement survey, sampling, and monitoring procedures for tidewater goby populations.	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service	Research: Population Surveys	Graduate Student, Species Expert	
Tidewater goby (<i>Eucyclogobius newberryi</i>)	2	1.1.2	Standardize and implement protocols for assessing nonnative predator populations.	Not Started			Multiple public land agencies, U.S. Fish and Wildlife Service	Research: Competition, Research: Predation	Graduate Student, Species Expert	
Tidewater goby (<i>Eucyclogobius newberryi</i>)	2	1.1.3	Standardize and implement protocols for assessing impacts and source of sedimentation in tidewater goby habitat.	Not Started			U.S. Fish and Wildlife Service, To be decided	Research: Habitat Requirements	Contract, Graduate Student, Species Expert	
Tidewater goby (<i>Eucyclogobius newberryi</i>)	1	1.2.1	Develop and implement management strategies to avoid further direct net loss/modification of habitat and restore degraded habitat.	Ongoing Current	FY 2006		Multiple public land agencies	Management: General	Contract, Graduate Student, Species Expert	
Tidewater goby (<i>Eucyclogobius newberryi</i>)	3	1.2.10	Implement regional ecosystem strategies through coordination, exchanging information, and existing regulatory processes to maximize the protection of tidewater goby habitat.	Not Started			Multiple public land agencies	Management: Planning	Contract	

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Tidewater goby (Eucyclogobius newberryi)	2	1.2.11	Standardize and implement protocols for rescue of tidewater goby populations.	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service	Management: Reintroduction	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	3	1.2.2	Develop and implement strategies for managing freshwater inflow within current or enhanced parameters.	Ongoing Current	FY 2006		Multiple public land agencies	Management: Planning	Contract	
Tidewater goby (Eucyclogobius newberryi)	2	1.2.3	Develop and implement strategies for managing deleterious exotic species at current or reduced levels.	Not Started			Multiple public land agencies, U.S. Fish and Wildlife Service	Management: Planning	Contract	
Tidewater goby (Eucyclogobius newberryi)	3	1.2.4	Develop and implement strategies for managing adverse effects resulting from channelization at current or reduced levels.	Ongoing Current	FY 2006		National Oceanic and Atmospheric Administration, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers	Management: Planning	Contract	
Tidewater goby (Eucyclogobius newberryi)	1	1.2.5	Develop and implement strategies for managing water quality within current or enhanced parameters.	Not Started			Multiple public land agencies	Management: Planning	Contract	
Tidewater goby (Eucyclogobius newberryi)	3	1.2.6	Develop and implement strategies for minimizing anthropogenic breaching of lagoons.	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service	Management: Planning	Contract, Internal Administrative	

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Tidewater goby (Eucyclogobius newberryi)	3	1.2.7	Develop and implement strategies for managing excessive sedimentation in tidewater goby habitat within current or enhanced parameters.	Ongoing Current	FY 2006		Multiple public land agencies	Management: Planning	Contract	
Tidewater goby (Eucyclogobius newberryi)	1	1.2.8	Monitor tidewater goby population status and trends, and habitat conditions.	Ongoing Current	FY 2006		Multiple public land agencies, U.S. Fish and Wildlife Service	Research: Habitat Status, Research: Population Surveys	Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	3	1.2.9	Develop umbrella Safe Harbor Agreement or obtain financial incentives for landowners to maintain or enhance tidewater goby habitat.	Not Started			National Oceanic and Atmospheric Administration, U.S. Fish and Wildlife Service	Other: Administration, Other: Regulations	Internal Administrative	
Tidewater goby (Eucyclogobius newberryi)	1	2.1	Determine population demography characteristics for the tidewater goby.	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, U.S. Geological Survey, California Department of Fish and Game, Universities	Research: Demographic Studies	Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	1	2.1	Determine water quality parameters for tidewater goby habitat.	Not Started			U.S. Fish and Wildlife Service	Research: Habitat Requirements	Contract, Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	1	2.11	Develop a metapopulation viability analysis.	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, Universities	Research: Competition, Research: Demographic Studies, Research: Disease, Research: Environmental Contaminants, Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Population Surveys, Research: Predation, Research: Propagation	Graduate Student, Species Expert	

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Tidewater goby (Eucyclogobius newberryi)	2	2.12	Conduct annual aerial surveys to quantify habitat losses and identify areas that have high potential for habitat creation/restoration .	Not Started			U.S. Geological Survey, California Department of Fish and Game	Research: Habitat Status	Contract	
Tidewater goby (Eucyclogobius newberryi)	2	2.13.1	Reevaluate recovery criteria.	Not Started			U.S. Fish and Wildlife Service	Management: Planning	Internal Administrative, Internal Technical Assistance	
Tidewater goby (Eucyclogobius newberryi)	2	2.13.2	Keep recovery plan current and useful.	Not Started			U.S. Fish and Wildlife Service	Management: Planning	Internal Administrative, Internal Technical Assistance	
Tidewater goby (Eucyclogobius newberryi)	2	2.13.3	Revise maps on recovery Sub-Units as new genetic data become available.	Not Started			U.S. Fish and Wildlife Service, Universities	Management: Planning	Internal Administrative, Internal Technical Assistance	
Tidewater goby (Eucyclogobius newberryi)	3	2.2	Determine freshwater inflow parameters.	Not Started			Multiple public land agencies	Research: Habitat Requirements	Contract, Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	2	2.3	Investigate the interactions of tidewater gobies with exotic species.	Ongoing Current	FY 2006		U.S. Geological Survey	Research: Competition, Research: Predation	Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	2	2.4	Conduct studies to determine how to minimize the threats of deleterious exotic species.	Not Started			U.S. Fish and Wildlife Service	Research: Competition, Research: Predation	Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	3	2.5	Conduct studies to determine how to minimize the effects of channelization.	Ongoing Current	FY 2006		National Oceanic and Atmospheric Administration, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers	Research: Management Techniques	Contract	
Tidewater goby (Eucyclogobius newberryi)	2	2.6	Conduct studies to determine how to minimize the effects of sedimentation.	Ongoing Current	FY 2006		Multiple public land agencies	Research: Management Techniques	Contract	
Tidewater goby (Eucyclogobius newberryi)	2	2.7	Conduct studies to determine how to minimize the effects of natural and anthropogenic breaching.	Not Started			U.S. Fish and Wildlife Service	Research: Management Techniques	Contract, Graduate Student, Species Expert	

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Tidewater goby (Eucyclogobius newberryi)	2	2.8	Describe natural tidewater goby habitat characteristics.	Partially Complete	FY 2006		U.S. Fish and Wildlife Service	Research: Habitat Requirements	Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	1	2.9	Determine the genetic diversity and intraspecific phylogeny of the tidewater goby.	Partially Complete	FY 2006	FY 2009	Universities	Research: Genetics	Graduate Student, Species Expert	A study conducted by UCLA and was funded by USFWS is nearly complete addressing this task.
Tidewater goby (Eucyclogobius newberryi)	1	3.1.1	Develop and refine protocols and criteria for translocation	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, U.S. Geological Survey, California Department of Fish and Game	Management: Reintroduction	Contract, Graduate Student, Species Expert	
Tidewater goby (Eucyclogobius newberryi)	2	3.1.2	Incorporate research findings into protocols	Not Started			U.S. Fish and Wildlife Service, U.S. Geological Survey, California Department of Fish and Game	Management: Planning	Internal Administrative, Internal Technical Assistance	
Tidewater goby (Eucyclogobius newberryi)	2	3.2	Implement translocation in subunits	Planned	FY 2009		U.S. Fish and Wildlife Service, U.S. Geological Survey, California Department of Fish and Game	Other	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	Point Reyes NRA is proposing to translocated tidewater gobies in Tomales Bay (Greater Bay Recovery Unit)
Tidewater goby (Eucyclogobius newberryi)	2	4.1	Prepare and distribute brochures and educational materials on the tidewater goby and its habitat.	Not Started			Multiple public land agencies	Other: Information and Education	Internal Administrative, Internal Technical Assistance, Volunteer	
Tidewater goby (Eucyclogobius newberryi)	2	4.2	Develop a website that will educate the public on the tidewater goby and recovery actions.	Not Started			Multiple public land agencies	Other: Information and Education	Internal Administrative, Internal Technical Assistance	